

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-26. Cancelled

27. (Currently amended) A skateboard capable of undulating self-propulsion, comprising  
a front footboard[[,]] and a rear footboard, each of the footboards comprising a footpad,  
and  
an elongated strut connecting the two footboards, the strut being rigid in bending but  
allowing torsional rotation, thus allowing the footboards to be tilted independently,  
~~said footboards each comprising an elongated footpad,~~ a single wheel mounted to each  
~~said~~ footpad via a wheel-mounting bracket integral with or attached to said footpad, wherein said  
wheel is the principal support for said footboard with respect to the ground; and  
a pivot joint connecting ~~the~~ each footpad to said strut, each ~~said~~ pivot joint having a pivot  
axis substantially perpendicular to the top surface of the footpad and substantially in-line with  
said single wheel.

28. (New) A skateboard of claim 27 in which the wheel is substantially centered under  
the footpad when the footpad is approximately parallel to the ground.

29. (New) A skateboard of claim 27 in which small changes in the tilt angle of the  
footpad produce little or no restoring force, thus requiring the rider to dynamically balance the  
skateboard.

30. (New) A skateboard of claim 27 in which the wheel is mounted on the underside of the footpad.

31. (New) A skateboard of claim 27 in which the footpad of each footboard is mounted within the circumference of the wheel, said wheel being supported by a large bore bearing or by several smaller wheels engaging a circular rail, resulting in an opening sufficiently large to accept the footpad and the front half of the rider's shoe.

32. (New) A skateboard of claim 27 in which said strut has one or more swivel-joints allowing torsional rotation while resisting bending.

33. (New) A skateboard of claim 27 in which the initial length of the strut can be adjusted to accommodate riders of various leg lengths.

34. (New) A skateboard of claim 27 having at least one pair of detachable training wheels mounted to at least one of the footboards, said training wheels being aligned with their axes substantially parallel to the axis of said wheel of claim 27, said training wheels being spaced apart to prevent excessive tilting of the footboard thereby allowing a beginner to more quickly learn to self-propel the skateboard.

35. (New) A skateboard of claim 27 in which the pivot joint of each footboard allows approximately +/- 45 degrees of steering travel.

36. (New) A skateboard of claim 27 in which the footpad can tilt approximately +/- 30 degrees before contacting the ground.